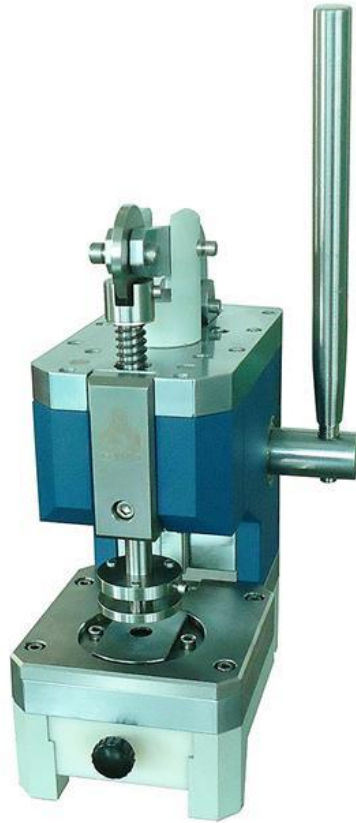


MSK-T-10

Compact Precision Disc & Ring Cutter Diameter

[Operation manual](#)

CE



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Content

Introduction	3
Specifications	3
Structure	3
Insallation	4
Operation	5
Cuting a disc.....	5
Cuting a ring	5
Maintenance	5
MTI Support.....	5

Introduction

MSK-T-10 is a **CE certified** precision disc cutter and designed for cutting round disc from thin metal sheet/foil (< 0.5 mm) or separator film (<30um) to prepare electrode/separator disc for split flat cell or coin cell for battery research, as well as TEM sample preparation. It can be easily put through a transition chamber with diameter bigger than 230mm by its compact size.

Specifications

Cutting size: 16,19,20mm as standard and optional 3 - 24mm die size customization is available upon request at \$599.00/each, 4-6 weeks, price and delivery time is shown below (please [contact MTI](#) for a quote):

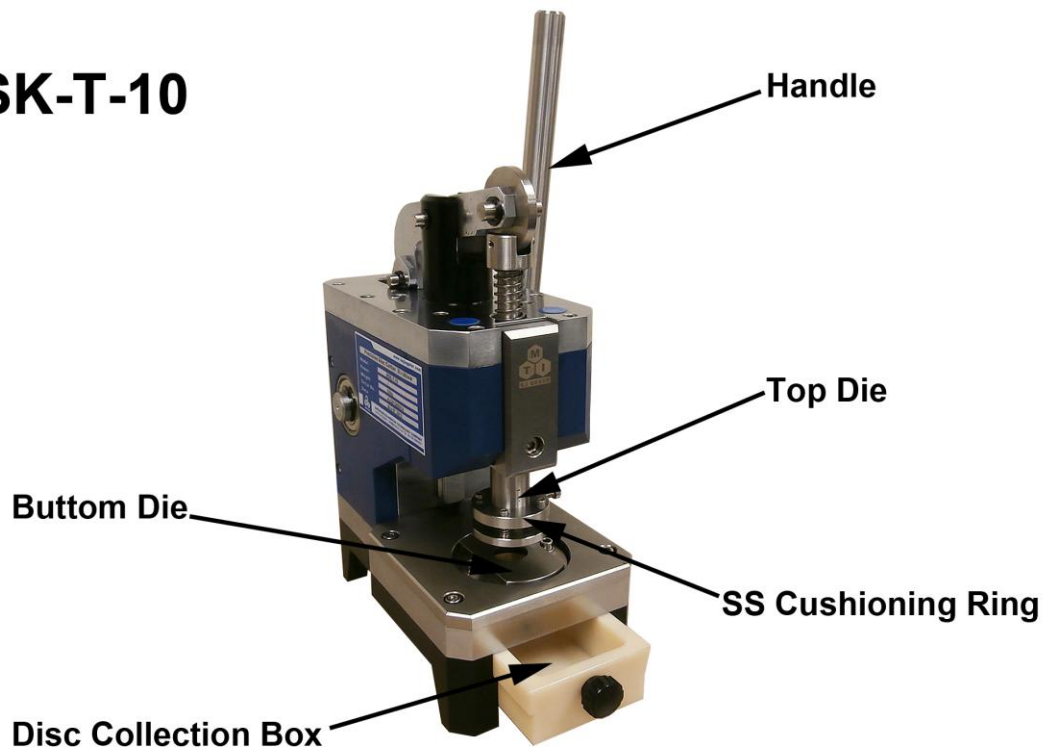
Dimension: 200x120x280mm

Weight: 10Kg

Body make: Plated Steel

Structure

MSK-T-10





Installation

1. Lift up the rock arm. And turn it to the opposite side.
2. Place the bottom die on the bottom plate. (Do not fasten the bottom die)
3. Insert the top die into the locating sleeve and then into the slot of the bottom die.
4. Lift up and put down the top die back and forth to make sure that the top die can insert the slot of the bottom die smoothly.
5. Fasten the bottom die. Note: There are two fasteners on the bottom plate. Tighten the fasteners by turns to avoid any slight displacement of the bottom.
6. After fasten the bottom die. Please try to insert the top die and exam if they are aligned. If not, please do the steps above once more.
7. Take off the top die.
8. Place the cushioning ring between the top and bottom plate. Later we will insert the top die into the cushioning ring.
9. Insert the top die into the spring and then insert the locating sleeve again.
10. Insert the top die into the cushioning ring.
11. Fasten the cushioning ring. Make sure the cushioning ring protrudes below the top die a little.

Operation

Cut a disc

1. Install the top and bottom die.
2. Place the sample on the bottom die.
3. First push down the rock arm slowly. The top die keeps approaching to the sample.
4. When it is closed to the sample (defined through your experience). Rapidly push down the rock arm.
5. (Apply a little force of impact on it.)
6. Pick out the sample.

Cut a ring

E.g. cut a 20mm O.D & 16mm I.D ring

1. Install the 20mm pressing die.
2. Cut a 20mm O.D disc.
3. Install the 16mm pressing die.
4. Place the 20mm O.D disc in the slot of the bottom die.
5. Cut the 16mm I.D hole.
6. Pick out the sample.

Maintenance

- Please clean the machine and pressing die after each time use.

MTI Support

1.1 MTI Corporation provides one year limited warranty from date that we shipped the goods. If you find any defective part caused by manufacturer please feel free to contact us. We will replace defective part and instruct you how to change the part by yourselves during warranty period. However, MTI Corp is not responsible for any damage or consequence damage caused by misuse. After warranty, MTI will continue to provide technical support and spare parts at a reasonable cost.

1.2 If you have any question, please contact us at info@mtixtl.com or call us at 1-888-5253070. MTI Engineers will instruct you how to use and maintain the machine.